

**Energy (Barmer) Limited**

(Formerly : Raj WestPower Limited)

Village & Post : Bhadresh, Post Box No. 30,

Distt : Barmer – 344001 (Rajasthan)

CIN : U31102MH1996PLC185098

Phone : +91 2982 229100

Fax : +91 2982 229222

Website : www.jsw.in

Ref: JSWE(B)L/ENV/22-23/010

Date: 22.06.2022

To,

Regional Officer

Rajasthan State Pollution Control Board

**Opp. JDVVNL Office, Jasol Road, Near Jasol Fanta,
Balotara - 344 022**

Sub: Annual compliance for Authorization “Segregation, Packing, transportation, storage, treatment & disposal of Bio medical in accordance with rule 7 & 8 of BMW Rules, 2016” for the period of 1st Jan-2021 to 31st March-2021 of 1080 MW Lignite based Power Plant at Village-Bhadresh, District Barmer.

Authorization Letter No. BMW/2018-19/Balotra/BMW/3.

Dear Sir,

We herewith enclosed annual compliance for Authorization - “**Segregation, Packing, transportation, storage, treatment & disposal of Bio medical in accordance with rule 7 & 8 of BMW Rules, 2016**” of JSW ENERGY (BARMER) LIMITED, Rajasthan – Year 2021.

Please acknowledge the same.

Thanking you.

For JSW ENERGY (BARMER) Ltd.

Vinod Kumar Jindal

DGM (Environment & Chemistry)

- Encl.**
1. Annual return form
 2. Details of Authorization Compliance
 3. Record Register for MBW

Cc. The Member Secretary, Rajasthan State Pollution Control Board, Jaipur



Part of O.P.Jindal Group

Regd. Office : JSW Energy (BARMER) Limited., JSW Center, BKC Complex, Bandra (E), Mumbai – 400051

Jaipur Office: Office No. 2 & 3, 7th Floor, Man Upasana Plaza, C-44, Sardar Patel Marg, C-Scheme, Jaipur – 302 001 Ph : 0141 2369772 Fax 0141 2369774


**From –IV
(See rule 13)
Annual Report**

[To be submitted to the prescribed authority on or before 30th June every year for the period from January to December of the preceding year, by the Occupier of Health Care Facility (HCF) or common bio-medical waste treatment facility (CBWTF)]

Sl. No	Particulars																																																	
1.	Particulars of the Occupier																																																	
	(i) Name of the authorized person (occupier or operator of facility)	SURYA PRAKASH																																																
	(ii) Name of HCF or CBMWTF	JSW ENERGY (BARMER) LIMITED, OHC																																																
	(iii) Address for Correspondence	Bhadresh Tehsil: Barmer Dist: Barmer																																																
	(i) Address of Facility	Bhadresh Tehsil: Barmer Dist: Barmer																																																
	(ii) Tel. No. Fax. No.	02982-229222																																																
	(V) E-mail ID	Vinod.jindal@jsw.in																																																
	(i) URL of Website																																																	
	(ii) GPS coordinates of HCF of CBMWTF	Longitude:71.31 Latitude:25.89																																																
	(iii) Ownership of HCF of CBMWTF	Private																																																
	(iv) Status of Authorization under the Bio-Medical Waste (Management and Handling) Rules.	Authorization No. BMW/2018- 2019/Balotra/BMW/3. Valid Up to: Till it is cancelled /revoked.																																																
	(v) Status of Consents under Water Act and Air Act.	Valid up to: 31/10/2022 .																																																
2.	Type of Health Care Facility	Occupational Health Center																																																
	(i) Bedded Hospital	No. of Beds: Two																																																
	(ii) Non-Bedded Hospital (Clinic or Blood Bank or Clinical Laboratory or Research Institute or Veterinary Hospital or any other)	---																																																
	(iii) License number and its date of expiry.	----																																																
3.	Details if CBMWTF	N/A																																																
	(i) Number healthcare facilities covered by CBMWTF	---																																																
	(ii) No. of beds covered by CBMWTF	---																																																
	(iii) Installed treatment and disposal capacity of CBMWTF	___NA___ Kg per day																																																
	(iv) Quantity of biomedical waste treated or disposal by CBMWTF	___NA___ Kg/day																																																
4.	Quantity of waste generated or disposed in Kg per annum (on monthly average basis)	Yellow category: 3.375 kg Red Category: 0.03 Kg White: 0.17 kg Blue Category: 0.032 Kg General Solid waste- Nil																																																
5.	Details of the Storage , treatment, transportation, processing and Disposal Facility																																																	
	(i) Details of the on-site storage facility	Size : --- Capacity: -- Provision of on-site storage : (cold storage or any other provision)																																																
	(ii) Disposal Facilities	<table border="1"> <thead> <tr> <th>Type of treatment Equipment</th><th>No of Units</th><th>Capacity Kg/day</th><th>Quantity treated or disposed In Kg per Annum</th></tr> </thead> <tbody> <tr> <td>Incinerators</td><td></td><td></td><td></td></tr> <tr> <td>Plasma Paralysis</td><td></td><td></td><td></td></tr> <tr> <td>Autoclaves</td><td></td><td></td><td></td></tr> <tr> <td>Microwave</td><td></td><td></td><td></td></tr> <tr> <td>Hydroclave</td><td></td><td></td><td></td></tr> <tr> <td>Shredder</td><td></td><td></td><td></td></tr> <tr> <td>Needle tip cutter or Destroyer</td><td></td><td>--</td><td></td></tr> <tr> <td>Sharps encapsulation or concrete pit</td><td></td><td>--</td><td></td></tr> <tr> <td>Deep Burial pits:</td><td>1</td><td>8m2</td><td>3.607 kg</td></tr> <tr> <td>Chemical disinfection:</td><td></td><td>--</td><td></td></tr> <tr> <td>Any other treatment</td><td></td><td></td><td></td></tr> </tbody> </table>	Type of treatment Equipment	No of Units	Capacity Kg/day	Quantity treated or disposed In Kg per Annum	Incinerators				Plasma Paralysis				Autoclaves				Microwave				Hydroclave				Shredder				Needle tip cutter or Destroyer		--		Sharps encapsulation or concrete pit		--		Deep Burial pits:	1	8m2	3.607 kg	Chemical disinfection:		--		Any other treatment			
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		equipment:									
	(iii) Quantity of recyclable wastes sold to authorized recyclers after treatment in kg per annum.	Red Category (like plastic, glass etc.) None									
	(iv) No of vehicles used for collection and transportation of biomedical waste.	N/A									
	(v) Details of incineration ash and ETP sludge generated and disposal during the treatment of wastes in Kg per annum)	<table> <tr> <th></th><th>Quantity Generated</th><th>Where disposal</th></tr> <tr> <td>Incineration Ash</td><td>NA</td><td>N/A</td></tr> <tr> <td>ETP Sludge</td><td></td><td></td></tr> </table>		Quantity Generated	Where disposal	Incineration Ash	NA	N/A	ETP Sludge		
	Quantity Generated	Where disposal									
Incineration Ash	NA	N/A									
ETP Sludge											
	(vi) Name of the Common Bio-Medical Waste Treatment Facility Operator through which wastes are disposed of	N/A									
	(vii) List of member HCF not handed over bio-medical waste.	N/A									
6.	Do you have bio-medical waste management committee? If yes, attach minutes of the meetings held during the reporting period.										
7.	Detail trainings conducted on BMW										
	(i) Number of training conducted on BMW Management.	01									
	(ii) Number of personnel trained	6									
	(iii) Number of personnel trained at the time of induction	--									
	(iv) Number of personnel not undergone any training so far.	0									
	(v) Whether standard manual for training is available?	Yes									
	(vi) Any other information)	--									
8.	Details of the accident occurred during the year	N/A									
	(i) Number of Accidents occurred	0									
	(ii) Number of the persons affected	0									
	(iii) Remedial Action taken (Please attach details if any)	NA									
	(iv) Any Fatality occurred, details.	NA									
9.	Are you meeting the standards of air Pollution from the incinerator? How many times in last year could not met the standards?	N/A									
	Details of Continuous online emission monitoring systems installed	--									
10.	Liquid waste generated and treatment methods in place. How many times you have not met the standards in a year.	--									
11.	Is the disinfection method or sterilization meeting the log 4 standards? How many times you have not met the standards in a year?	--									
12.	Any other relevant information	--									

Certified that the above report is for the period from January – 2021 to December – 2021


Veeresh Devaramani
Head of Plant
JSW Energy (Barmer) Limited
Bhadresh – Barmer 344 001

Compliance to Authorization for, File No. F(BMW)/Barmer(Barmer)/35(1)/2017-2018/230-232,

Dt: 20/04/2018 - Authorization Letter No. BMW/2018-2019/Balotra/BMW/3

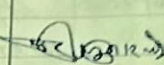
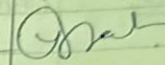
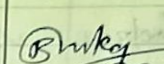
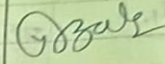
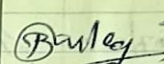
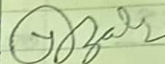
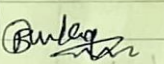
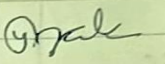
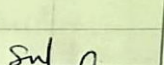
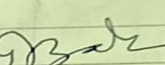
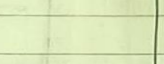
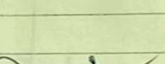
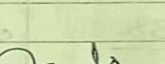
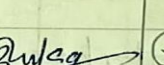
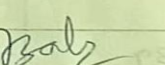
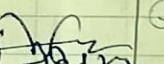
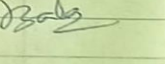
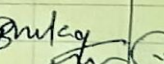
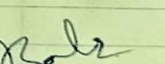
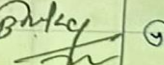
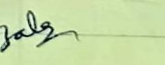
SN	Condition	Compliance
1.	This authorization is valid for operation of the Clinic with 2 (two) number of beds.	Complied
2.	Segregation, packing, transportation, storage, treatment & disposal of bio medical waste shall be in accordance with Rule 7 & 8 of BMW Rules, 2016. The bio medical waste shall be disposed of at Common Biomedical Waste Treatment & Disposal Facility (CBMWTDF) established for the area viz .	Complied - Record - Enclosed
3.	The mercury bearing waste arising due to breakage of thermometers, pressure gauges and other instruments is not to be treated as bio-medical waste or other solid waste. The mercury bearing waste is to be segregated, collected , stored and disposed in accordance with the provisions of Hazardous Waste and other wastes(Management and Transboundary Movement) Rules, 2016.	Complied
4.	The Annual report in accordance with Rule 13 for the period 1st January to 31st December of previous year shall be submitted On or before 30th June of every year in form - IV as prescribed in the Rules and the annual report shall also be made available on the web-site of the occupier. Further, all the health care facilities shall develop their website within two years from the date of notification of the BMW Rules,2016, in case not already developed.	Complied
5.	The hospital shall maintain the record of biomedical waste as per Rule 14 & shall be produced during the inspection.	Record - Enclosed
6.	That the hospital shall phase out use of chlorinated plastic bags, gloves and blood bags within two years from the date of notification of the BMW Rules, 2016.	Not being used
7.	That the hospital shall establish a Bar-Code System for bags or containers containing bio-medical waste to be sent out of the premises or place for any purpose within one years from the date of the notification of the BMW Rules, 2016.	Will Be Complied
8.	That the hospital shall provide training to all its health care workers and others, involved in handing of bio-medical waste at the time of induction and thereafter at least once every year and the details of training programs conducted, number of personnel trained and number of personnel not undergone any training shall be provided in the Annual Report.	Complied – Training Details enclosed
9.	In case of expansion in bed capacity or increase in pollution load, the hospital shall obtain prior Consent to Establish under Water (Prevention and Control of Pollution) Act, 1974, Air (Prevention and Control of Pollution) Act, 1981 & revised Authorization under BMW Rules,2016.	Complied – Will report.
10.	That the hospital shall comply the provisions of Bio-medical Waste Management Rules, 2016.	Complied
11.	That the hospital shall comply with the standards for treatment disposal of Bio-medical Waste as specified under schedule II of Bio-medical Waste Management Rules, 2016.	Complied

12.	That infected hospital liquid waste must be given chemical treatment by using at least 10% hypochlorite solution or any other equivalent chemical reagent to ensure required disinfection as prescribed in part-2 of schedule-I of the Rules.	Complied
13.	That the hospital shall install adequate fire protection equipment (such as smoke detectors, fire extinguishers, sand bucket, fire alarm, Water sprinklers etc.) at salient places with in the premises of the hospital, even at bio-medical storage area, in accordance with the fire safety regulations and to submit certificate of the competent authority in this respect to this office.	Complied – Fire extinguisher provided
14.	That the hospital management shall continue to segregate the bio medical waste as per provisions of BMWR, as amended till date, and hand it over regularly to operator of common Bio Medical waste disposal facility, after due packing in colour coded bags, as prescribed in schedule IV (Rule-6) of the BMWR.	Complied
15.	That the domestic waste water shall be treated through septic tank & soak pit & zero discharge shall be maintained.	Complied
16.	The Bio Medical Waste shall be disposed at deep burial pit with in premises as per procedure laid down in rules till Common Biomedical Waste Treatment and Disposal Facility agreement shall be taken by the hospital.	Complied – Form IV enclosed
17.	That the hospital shall maintain record of collection, storage and transportation of bio-medical waste to Common Bio-Medical Waste Treatment and Disposal Facility (CBWTDF) for disposal. The quarterly abstract related to the collection, storage, transportation and disposal shall be submitted to the H.O. and Regional Office in the format given below:	Complied - Record - Enclosed
18.	This Authorization is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time being in force, rests with the hospital/ unit / project proponent.	Complied – being Followed

Compliance to CTO for, File No. F(HDF)/Barmer(Barmer)/9(1)/2016-2017/216-218,

Dt: 15/04/2019 - Order No. 2019-2020/Balotra/6828

SN	Condition	Compliance
	That this Consent to Operate is valid for a period from 05/11/2017 to 31/10/2022 .	Valid
2.	That this Consent is granted for manufacturing / producing following products / by products or carrying out the following activities or operation/processes or providing following services with capacities given below. Particular: CLINIC , Type: Service , Quantity with Unit : 2.0 beds	--
3.	That this consent to operate is for existing plant, process & capacity and separate consent to establish/operate is required to be taken for any addition / modification / alteration in process or change in capacity or change in fuel.	Will be Complied
4.	That the hospital shall install adequate fire protection equipment (such as smoke detectors, fire extinguishers, sand bucket, fire alarm, Water sprinklers etc.) at salient places with in the premises of the hospital, even at bio-medical storage area, in accordance with the fire safety regulations and to submit certificate of the competent authority in this respect to this office.	Complied
5.	That the hospital management shall continue to segregate the bio medical waste as per provisions of BMWR, as amended till date, and hand it over regularly to operator of common Bio Medical waste disposal facility, after due packing in colour coded bags, as prescribed in schedule IV (Rule-6) of the BMWR.	Complied
6.	That the domestic waste water shall be treated through septic tank & soak pit & zero discharge shall be maintained.	Complied
7.	The Bio Medical Waste shall be disposed at deep burial pit with in premises as per procedure laid down in rules till Common Biomedical Waste Treatment and Disposal Facility agreement shall be taken by the hospital.	Complied – Form IV enclosed
8.	That, notwithstanding anything provided hereinabove, the State Board shall have power and reserves its right, as contained under section 27(2) of the Water Act to review anyone or all the conditions imposed here in above and to make such variation as it deemed fit for the purpose of Water Act.	---
9.	That the grant of this Consent to Operate is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility to comply with the conditions laid down in all other laws for the time-being in force, rests with the industry/ unit/ project proponent.	Complied – being Followed
10.	That the grant of this Consent to Operate shall not, in any way, adversely affect or jeopardize the legal proceeding, if any, instituted in the past or that could be instituted against you by the State Board for violation of the provisions of the Act or the Rules made thereunder.	Complied – Being Followed

S/N	Date	Quant. Qty of gm	Sing Staff	Sing Do.
42.	6-11-2020	Approx 140 gm Dressing material		
43	24/11/2020	Approx 150 gm Dressing material & Needle		
44	10/12/2020	Approx 100 gm Dressing material		
45	22/12/2020	Approx 150 gm Dressing material		
46	31/12/2020	Approx. 135 gm Dressing material		
47	10/01/2021	Approx 100 gm Dressing material & Syringe Needle		
48	21/01/2021	Approx. 150 gm Dressing Material		
49	13/02/2021	Approx 100 gm Dressing material	 13/02/21	
50	25/2/21	Approx 100 gm Dressing material	 25/2/21	
51	10/03/2021	Approx 110 gm Dressing material	 10/03/21	
52	23/03/2021	Approx 130 gm Dressing material		

S/No.	Date	Quantity in gm	Sign. of staff	Sign. of Dn.
53.	13/04/2021 13/04/2021	Approx 120gm dressing material	Bulley	Ghale
54.	02/05/2021	Approx 130 gm dressing material	Bulley	Ghale
55	13-5-21	Approx 100g Dressing material	Bulley	Ghale
56	17/06/21	Approx 130gm dressing material	Bulley 17/06/21	Ghale
57	25/06/21	Approx 110gm dressing material & needle	Bulley 25/06/21	Ghale
58	02/07/2021	Approx 100gm dressing material	Bulley 02/07/21	Ghale
59	14/07/2021	Approx 150gm syringe & Needle material	Bulley 14/07/21	Ghale
60	26/07/21	Approx 100gm dressing material	Bulley 26/07/21	Ghale
61	04/08/21	Approx 130gm dressing material & Needle	Bulley 04/08/21	Ghale
62	27/8/21	Approx 100gm dressing material.	Bulley	Ghale

S/N	Date	Quantity of gran	Ex. St	Ex. Dr.
63	7-9-21	150 gm motary Appox 200 gm motary	Ex. St	Ex. Dr.
64	23-9-21	Appox 180 gm Dressing material	Ex. St 23/09/21	Ex. Dr.
65	11/10/2021	Appox 100gm dressing material	Pad 11/10/2021	✓
66	25/10/2021	Appox 110gm Dressing material & Needle	Bulky 25/10/21	✓
67	04/11/2021	Appox 130gm Dressing material	Wash 4/11/21	✓
68	13/11/2021	Appox 130gm Dressing material	Wash 13/11/21	✓
69	23/11/2021	Appox 72 gm Biom. L.	Bulky 23/11/21	✓
70	27/11/2021	Appox 7gm Dressing material	Bulky 27/11/21	✓
71	02/12/21	Appox 50gm Dressing material.	Bulky 02/12/21	✓
72	05/12/21	Appox 95 gm Dressing & Needle	Bulky 05/12/21	✓
73	09/12/21	Appox 30gm Dressing material.	Bulky 09/12/21	✓
74	13/12/21	Appox 100gm Dressing material & Vasa Apple	Bulky 13/12/21	✓
75	15/12/21	Appox 2gm Dressing material.	Bulky 15/12/21	✓
76	18/12/21	Appox 80gm Dressing material.	Bulky 18/12/21	✓

S/No.	Date	Quantity of gm	Sign. Staffs	Sign. Dr.
77	22/12/21	Approx 50gm dressing material & Needle	Buleg	Unus
78	25/12/21	Approx 60gm Dressing material &	Buleg	Unus
79	31/12/21	Approx 420gm dressing material & Needle & Glass Appl.	Buleg	Unus